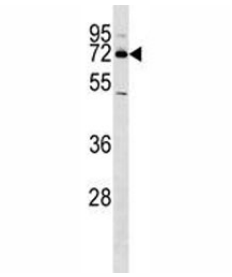
NURR1 Antibody (F49633)

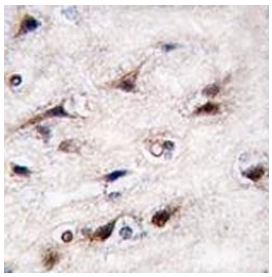
Catalog No.	Formulation	Size
F49633-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49633-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

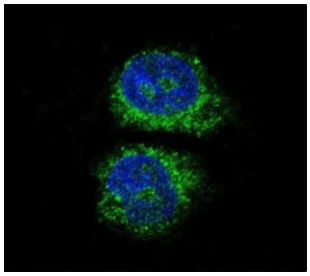
Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Bovine, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P43354
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100 Immunofluorescence: 1:10-1:50
Limitations	This NURR1 antibody is available for research use only.



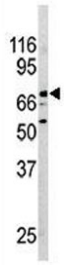
NURR1 antibody western blot analysis in HeLa lysate.



IHC analysis of FFPE human brain tissue stained with NURR1 antibody



Confocal immunofluorescent analysis of NURR1 antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used as a nuclear counterstain (blue).



Western blot testing of mouse brain lysate with NURR1 antibody.

Description

Parkinson's disease (PD) is a multifactorial disease that appears to arise from the effects of both genetic and environmental influences. The known genetic factors include multiple genes that have been identified in related parkinsonian syndromes, as well as alpha-synuclein. Genes associated with either PD or Parkinson-related disorders include parkin, DJ-1, ubiquitin C-terminal hydrolase isozyme L1 (UCH-L1), nuclear receptor-related factor 1 (NURR1), and alpha-synuclein. Nurr1 is a transcription factor that is expressed in the embryonic ventral midbrain and is critical for the development of dopamine (DA) neurons. It belongs to the conserved family of nuclear receptors but lacks an identified ligand and is therefore referred to as an orphan receptor. RXR ligands can promote the survival of DA neurons via a process that depends on Nurr1-RXR heterodimers. In developing DA cells, Nurr1 is required for the expression of several genes important for DA synthesis and function. Nurr1 is also important for the maintenance of adult DA neurons.

Application Notes

Titration of the NURR1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 13-42 from the human protein was used as the immunogen for this NURR1 antibody.

Storage

Aliquot the NURR1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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